

**CLAIMS**

What is claimed is:

- 1    1.    A device for extending an event time of a physical shock imparted on an  
2        electronic device, comprising:  
3        a frame; and  
4        a resiliently elastic material coupled to the frame, the resiliently elastic material  
5        suspending an electronic device with respect to the frame.
- 1    2.    A device as recited in claim 1, wherein the frame is rigid.
- 1    3.    A device as recited in claim 1, wherein the frame is semi-rigid.
- 1    4.    A device as recited in claim 1, wherein the resiliently elastic material is a  
2        polymeric material.
- 1    5.    A device as recited in claim 1, wherein the resiliently elastic material is in the  
2        form of a sheet.
- 1    6.    A device as recited in claim 1, wherein the resiliently elastic material is in the  
2        form of a strap.



- 1    7.    A device as recited in claim 1, wherein the resiliently elastic material is in the  
2           form of a rib coupled to the electronic device.
- 1    8.    A device as recited in claim 7, wherein the rib is in tension.
- 1    9.    A device as recited in claim 1, wherein the electronic device is sandwiched  
2           between layers of the resiliently elastic material.
- 1    10.   A device as recited in claim 9, further comprising at least one rib coupled to the  
2           housing and the electronic component for further restricting movement of the  
3           electronic component with respect to the frame.
- 1    11.   A device as recited in claim 1, wherein the electronic device is fixedly coupled to  
2           the resiliently elastic material.
- 1    12.   A device as recited in claim 1, wherein the shock event time is extended by at  
2           least twice with respect to an identical shock imparted on an identical unprotected  
3           electronic device.
- 1    13.   A device as recited in claim 1, wherein the shock event time is extended by at  
2           least four times with respect to an identical shock imparted on an identical  
3           unprotected electronic device.



1     14.     A device as recited in claim 1, wherein the electronic device is a hard disk drive.

1     15.     A device for extending an event time of a physical shock imparted on an  
2             electronic device, comprising:  
3             a frame; and  
4             a resiliently elastic material coupled to the frame, the resiliently elastic material  
5                   being wrapped around at least a portion of the frame, wherein an  
6                   electronic device is sandwiched between layers of the resiliently elastic  
7                   material.

1     16.     A device as recited in claim 15, wherein the resiliently elastic material is in the  
2             form of a sheet.

1     17.     A device as recited in claim 15, wherein the resiliently elastic material is in the  
2             form of a strap.

1     18.     A device as recited in claim 15, further comprising at least one rib coupled to the  
2             housing and the electronic component for further restricting movement of the  
3             electronic component with respect to the frame.

1     19.     A device as recited in claim 15, wherein the electronic device is fixedly coupled  
2             to the resiliently elastic material.



1    20.    A device as recited in claim 15, wherein the shock event time is extended by at  
2            least twice with respect to an identical shock imparted on an identical unprotected  
3            electronic device.

1    21.    A device as recited in claim 15, wherein the shock event time is extended by at  
2            least four times with respect to an identical shock imparted on an identical  
3            unprotected electronic device.

1    22.    A device as recited in claim 15, wherein the electronic device is a hard disk drive.

1    23.    A device for extending an event time of a physical shock imparted on an  
2            electronic device, comprising:  
3            a frame; and  
4            multiple resiliently elastic ribs coupled to the frame, the resiliently elastic ribs  
5                    being coupled to an electronic device for suspending the electronic device  
6                    with respect to the frame, the ribs being in tension.

1    24.    A device as recited in claim 24, wherein the resiliently elastic material is a  
2            polymeric material.

1    25.    A device as recited in claim 24, wherein the shock event time is extended by at  
2            least twice with respect to an identical shock imparted on an identical unprotected  
3            electronic device.



1 26. A device as recited in claim 24, wherein the shock event time is extended by at  
2 least four times with respect to an identical shock imparted on an identical  
3 unprotected electronic device.

1 27. A device as recited in claim 24, wherein the electronic device is a hard disk drive.